



Central Water Commission National Water Academy

Online Training Program on 'Introduction to Python Programming and Applications in Water Resources Sector' (06-17 October 2025)



Introduction

Python is an open-source general purpose programming language that has a strong presence in the GIS industry. It is the primary scripting language for both licensed and open source GIS software. Geo-Spatial technologies & Data analytics have great potential to address a variety of issues related to water sector. This training program is designed as a foundational course for water professionals who have some basic understanding of Programming, GIS & Remote Sensing

Program Contents

- Jupyter Notebooks & Basic Data Types in Python
- Data Structures in Python
- Functions, Loops and Control Flow in Python
- Error and File Handling in Python
- Working with Pandas & Numpy
- Data Visualization using Python
- Geospatial Analysis using Python
- QGIS Customization using Python



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Program Format

Online lecture modules with flexi-time approach through NWA e-Learning Portal. Participants are required to complete the modules and assessment tests for receiving the e-certificate.

Who can attend

Water Resources professionals from the Centre/State Government departments and all other stakeholders interested in the subject

Fee

There is no course fee

Registration

Fill in the Google form using the link given below or by scanning QR Code on or before 03.10.2025

<https://forms.gle/BgTgnLqTbwiGyBjG6>

For any further information please contact:

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